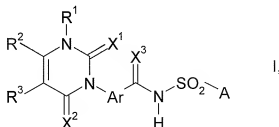


Amendments to the Claims:

1. (Previously presented) A process for preparing a 3-phenyl(thio)uracil or 3-phenyldithiouracil of the formula I



where the variables are each defined as follows:

R¹ is hydrogen, cyano, amino, C₁-C₆-alkyl, C₁-C₃-cyanoalkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₃-C₆-alkynyl, C₃-C₆-haloalkynyl or phenyl-C₁-C₄-alkyl;

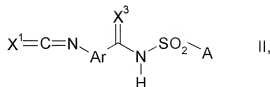
R² and R³ are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₃-C₆-alkynyl or C₃-C₆-haloalkynyl;

X¹, X² and X³ are each independently oxygen or sulfur;

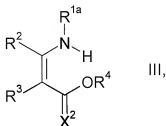
Ar is phenyl, which may be mono- or polysubstituted by the following groups: hydrogen, halogen, cyano, C₁-C₄-alkyl or C₁-C₄-haloalkyl; and

A is a radical derived from a primary or secondary amine or NH₂;

comprising reacting a phenyl iso(thio)cyanate of the formula II



where the variables X^1 , X^3 , Ar and A are each as defined above,
 with an enamine of the general formula III



where

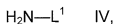
R^{1a} is as defined above for R^1 with the exception of amino;

R^2 , R^3 and X^2 are each as defined above; and

R^4 is $\text{C}_1\text{-C}_6$ -alkyl, $\text{C}_1\text{-C}_6$ -haloalkyl, $\text{C}_1\text{-C}_3$ -alkoxy- $\text{C}_1\text{-C}_3$ -alkyl, $\text{C}_1\text{-C}_3$ -alkylthio- $\text{C}_1\text{-C}_3$ -alkyl, $\text{C}_2\text{-C}_6$ -alkenyl, $\text{C}_2\text{-C}_6$ -haloalkenyl, $\text{C}_3\text{-C}_6$ -alkynyl, $\text{C}_3\text{-C}_6$ -haloalkynyl, $\text{C}_3\text{-C}_7$ -cycloalkyl, $\text{C}_1\text{-C}_6$ -cyanoalkyl or benzyl which is itself unsubstituted or substituted on the phenyl ring by methyl, methoxy, methylthio, halogen, nitro or cyano;

in the presence of from 1.8 to 2.6 base equivalents per mole of the phenyl iso(thio)cyanate of the formula II;

and, if appropriate, in a further step, reacting the resulting 3-phenyl(thio)uracil or 3-phenyldithiouracil of the formula I where $\text{R}^1=\text{R}^{1a}$, where R^1 is hydrogen, with an aminating agent of the formula IV



where L^1 is a nucleophilic leaving group

to give a 3-phenyl(thio)uracil or 3-phenyldithiouracil of the formula I where R^1 = amino.

2. (Original) The process according to claim 1, wherein the reaction is effected in the presence of a base which is selected from alkali metal and alkaline earth metal carbonates, alkali metal and alkaline earth metal alkoxides, alkali metal and alkaline earth metal hydrides and tertiary amines.
3. (Previously presented) The process according to claim 1, wherein the reaction is effected in a solvent comprising at least one aprotic polar solvent, and the aprotic polar solvent has a water content of from 0 to 0.5% by weight, based on the total amount of compound II, compound III and solvent.
4. (Original) The process according to claim 3, wherein the solvent comprises at least 50% by volume of an aprotic polar solvent selected from carboxamides, carboxylic esters, carbonates, nitriles and sulfoxides.
5. (Original) The process according to claim 4, wherein the solvent comprises at least 80% by weight of an aprotic polar solvent.
6. (Previously presented) The process according to claim 1, wherein from 0.9 to 1.3 mol of the enamine of the formula III are used per mole of the compound II.
7. (Previously presented) The process according to claim 1, wherein a 3-phenyl(thio)uracil or a 3-phenyldithiouracil, where R^1 is hydrogen, is prepared and this compound I is subsequently

(A) reacted with an aminating agent of the formula IV



IV

where L^1 is a nucleophilically displaceable leaving group to obtain a compound of the formula I where
 R^1 is amino; and
the variables R^2 , R^3 , X^1 , X^2 , X^3 , Ar and A are each as defined above;
or

(B) reacted with an alkylating agent of the formula V

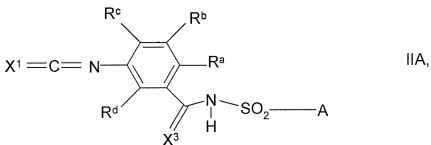


V

where

R^{1b} is C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_3 - C_7 -cycloalkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -haloalkenyl, C_3 - C_6 -alkynyl or C_3 - C_6 -haloalkynyl; and
 L^2 is a nucleophilically displaceable leaving group;
to obtain a compound of the general formula I where
 R^1 is as defined for R^{1b} ; and
the variables R^2 , R^3 , X^1 , X^2 , X^3 , Ar and A are each as defined above.

8. (Previously presented) The process according to claim 1, wherein the phenyl iso(thio)cyanate of the formula II is described by the formula IIA



where

X^1 , X^3 and A are each as defined above and
 R^a , R^b , R^c and R^d are each independently
hydrogen, halogen, cyano, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl.

9. (Original) The process according to claim 8, wherein, in formula IIA,

R^a is halogen, cyano or trifluoromethyl;
R^c is hydrogen or halogen; and
R^b and R^d are each hydrogen.

10. (Currently amended) The process according to claim 1, wherein the A radical is -NR⁵R⁶ where the variables R⁵ and R⁶ are each defined as follows:

R⁵ and R⁶ are each independently

hydrogen, C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl or C₂-C₁₀-alkynyl, each of which may be unsubstituted or substituted by one of the following radicals:

C₁-C₄-alkoxy, C₁-C₄-alkylthio, CN, NO₂, formyl, C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxycarbonyl, C₁-C₄-alkylaminocarbonyl, C₁-C₄-dialkylaminocarbonyl, C₁-C₄-alkylsulfinyl, C₁-C₄-alkylsulfonyl, C₃-C₁₀-cycloalkyl, 3- to 8-membered heterocyclyl having from one to three heteroatoms selected from O, S, N and an NR⁷ group

where R⁷ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl, phenyl which may itself have 1, 2, 3 or 4 substituents selected from halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-fluoroalkyl, C₁-C₄-alkyloxycarbonyl, trifluoromethylsulfonyl, C₁-C₃-alkylamino, C₁-C₃-dialkylamino, formyl, nitro or cyano;

C₁-C₁₀-haloalkyl, C₂-C₁₀-haloalkenyl, C₂-C₁₀-haloalkynyl, C₃-C₈-cycloalkyl, C₃-C₁₀-cycloalkenyl, 3- to 8-membered heterocyclyl having from one to three heteroatoms selected from O, S, N and an NR⁷ group where R⁷ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl, phenyl or naphthyl,

where C₃-C₈-cycloalkyl, C₃-C₁₀-cycloalkenyl, 3- to 8-membered heterocyclyl, phenyl or naphthyl, each may themselves have 1, 2, 3 or 4 substituents selected from halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-fluoroalkyl,

C₁-C₄-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, C₁-C₃-alkylamino, C₁-C₃-dialkylamino, phenoxy, nitro or cyano; or

R⁵ and R⁶ together form a saturated or partially unsaturated 5- to 8-membered nitrogen heterocycle which may have, as ring members, one or two

carbonyl groups, thiocarbonyl groups and/or one or two further heteroatoms selected from O, S, N and an NR^7 group

where R^7 is hydrogen, $\text{C}_1\text{-C}_6\text{-alkyl}$, $\text{C}_3\text{-C}_6\text{-alkenyl}$ or $\text{C}_3\text{-C}_6\text{-alkynyl}$, and which may be substituted by $\text{C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_1\text{-C}_4\text{-alkoxy}$ and/or $\text{C}_1\text{-C}_4\text{-haloalkyl}$.

11. (Original) The process according to claim 10, wherein R^5 and R^6 are each defined as follows:

R^5 and R^6 are each independently

hydrogen, $\text{C}_1\text{-C}_6\text{-alkyl}$ which may if appropriate carry a substituent selected from the group consisting of halogen, cyano, $\text{C}_1\text{-C}_4\text{-alkoxy}$, $\text{C}_1\text{-C}_4\text{-alkoxycarbonyl}$, $\text{C}_1\text{-C}_4\text{-alkylthio}$, $\text{C}_3\text{-C}_6\text{-cycloalkyl}$, furyl, thienyl, 1,3-dioxolanyl and phenyl

which may itself optionally be substituted by halogen or $\text{C}_1\text{-C}_4\text{-alkoxy}$; $\text{C}_2\text{-C}_6\text{-alkenyl}$, $\text{C}_2\text{-C}_6\text{-alkynyl}$, $\text{C}_3\text{-C}_8\text{-cycloalkyl}$ or phenyl

which may if appropriate carry 1 or 2 substituents selected from the group consisting of halogen, $\text{C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_1\text{-C}_4\text{-fluoroalkyl}$, $\text{C}_1\text{-C}_4\text{-alkoxy}$, $\text{C}_1\text{-C}_4\text{-alkoxycarbonyl}$, nitro and $\text{C}_1\text{-C}_3\text{-dialkylamino}$; naphthyl or pyridyl; or

R^5 and R^6 together form a five-, six- or seven-membered saturated or unsaturated nitrogen heterocycle which may contain, as a ring member, one further heteroatom selected from N, O and an NR^7 group

where R^7 is hydrogen, $\text{C}_1\text{-C}_6\text{-alkyl}$, $\text{C}_3\text{-C}_6\text{-alkenyl}$ or $\text{C}_3\text{-C}_6\text{-alkynyl}$, and/or may be substituted by one, two or three substituents selected from $\text{C}_1\text{-C}_4\text{-alkyl}$ and $\text{C}_1\text{-C}_4\text{-haloalkyl}$.

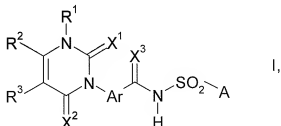
12. (Previously presented) The process according to claim 1, wherein X^1 , X^2 and X^3 are each oxygen.

13. (Previously presented) The process according to claim 1, wherein R^1 is hydrogen, amino or $\text{C}_1\text{-C}_4\text{-alkyl}$.

14. (Previously presented) The process according to claim 1, wherein R^2 is hydrogen, $\text{C}_1\text{-C}_4\text{-alkyl}$ or $\text{C}_1\text{-C}_4\text{-haloalkyl}$.

15. (Previously presented) The process according to claim 1, wherein R³ is hydrogen.

16. (Previously presented) A process for preparing a 3-phenyl(thio)uracil or 3-phenyldithiouracil of the formula I



where

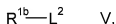
R¹ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₃-C₆-alkynyl or C₃-C₆-haloalkynyl;

R² and R³ are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₃-C₆-alkynyl or C₃-C₆-haloalkynyl;

X¹, X² and X³ are each independently oxygen or sulfur;

Ar is phenyl, which may be mono- or polysubstituted by the following: hydrogen, halogen, cyano, C₁-C₄-alkyl or C₁-C₄-haloalkyl; and

A is a radical derived from a primary or secondary amine or NH₂, comprising reacting a 3-phenyl(thio)uracil or 3-phenyldithiouracil of the formula I, where R¹ is hydrogen, with an alkylating agent of the formula V



where L² is a nucleophilically displaceable leaving group, and

R^{1b} is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₃-C₆-alkynyl or C₃-C₆-haloalkynyl.